

## Message Text

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ACTION ARA-14

INFO OCT-01 EUR-12 ISO-00 ACDA-12 CIAE-00 INR-10 IO-13  
L-03 NSAE-00 NSC-05 EB-08 NRC-05 OES-09 SOE-02  
DODE-00 SS-15 SP-02 CEQ-01 PM-05 SAS-02 AID-05  
CEA-01 COME-00 H-01 INT-05 OMB-01 ICA-11 STR-07  
TRSE-00 PA-01 /151 W  
-----125490 070500Z /14

R 061850Z SEP 78  
FM AMEMBASSY BRASILIA  
TO SECSTATE WASHDC 8907  
INFO USDOE WASHDC  
AMEMBASSY BONN  
AMEMBASSY BUENOS AIRES  
AMEMBASSY THE HAGUE  
AMEMBASSY LONDON  
AMEMBASSY VIENNA  
AMCONSUL RIO DE JANEIRO

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USIAEA

E.O. 11652: N/A  
TAGS: ENRG, MNUC, BR  
SUBJECT: NUCLEAR ISSUE -- POSSIBLE RELOCATION OF ANGRA-III  
REACTOR SITE

1. ACCORDING TO THE JORNAL DO BRASIL OF 3 SEPTEMBER 1978,  
KWU AND ITS BRAZILIAN COUNTERPART, NUCLEN, HAVE BEGUN  
CONSIDERATION OF POSSIBLE ALTERNATE SITES FOR THE THIRD  
REACTOR UNIT SCHEDULED TO BE BUILT AT THE ANGRA DOS REIS  
NUCLEAR COMPLEX. ACCORDING TO THE STORY, THE MAJOR REASON  
FOR THE INTEREST IN AN ALTERNATE SITE IS TO AVOID A  
REPETITION OF THE FOUNDATION PROBLEMS BEING EXPERIENCED  
WITH ANGRA-II, THE FIRST OF THE REACTOR UNITS BEING BUILT  
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UNDER THE GOB-FRG NUCLEAR ACCORD. THE ARTICLE CLAIMS THAT  
AS OF MID-JULY 1978, LESS THAN A QUARTER OF THE FOUNDATION  
PILES FOR ANGRA-II HAVE BEEN INSTALLED AND COST ESTIMATES  
FOR THE FOUNDATION WORK HAVE DOUBLED BECAUSE OF THE  
DIFFICULTIES PRESENTED BY LARGE BOULDERS ENCOUNTERED  
IN THE SUBSOIL.

2. IN RESPONSE TO THE STORY, THE OPERATING UTILITY, FURNAS CENTRAIS ELECTRICAS, HAS CONFIRMED THAT SOME CONSIDERATION IS BEING GIVEN TO THE IDEA; THE GOB NUCLEAR DEVELOPMENT AGENCY, NUCLEBRAS, HAS DENIED THAT ANY DECISION HAS BEEN MADE; AND THE GOB ELECTRIC POWER AGENCY, ELECTROBRAS, HAS DENIED THAT ANY DECISION WILL BE MADE UNTIL STUDIES OF THE POSSIBLE LOCATIONS OF THE FOLLOW-ON GENERATING UNITS (UNITS IV AND V OF THE GOB NUCLEAR PROGRAM) ARE COMPLETED IN MARCH 1979.

3. THE FURNAS STATEMENT SAID THAT THE SITES BEING CONSIDERED WERE ALL IN THE GENERAL AREA OF ANGRA DOS REIS AND WOULD THUS NOT INVOLVE ANY MODIFICATION OF REGIONAL GENERATING CAPACITIES. FURNAS THUS CONSIDERED THAT ANY RELOCATION OF ANGRA-III REQUIRED ONLY AGREEMENT AMONG ITSELF, NUCLEN, KWU, AND THE BRAZILIAN LICENSING AGENCY, CNEN, AND DID NOT INVOLVE NUCLEBRAS (EXCEPT IN THAT NUCLEN IS A NUCLEBRAS SUBSIDIARY) OR ELECTROBRAS.

4. COMMENT: THIS DEVELOPMENT IS AN INDICATION THAT THE COSTS OF THE NUCLEAR PROGRAM ARE BEGINNING TO BE FELT, AT LEAST BY THE UTILITY THAT MUST ULTIMATELY SELL THE ELECTRICITY GENERATED BY THE FIRST UNITS. THE FACT THAT FURNAS IS PREPARED TO CONSIDER THE SIGNIFICANT COSTS AND DELAYS INVOLVED IN SELECTING, SURVEYING, AND LICENSING A NEW SITE FOR ANGRA-III LIMITED OFFICIAL USE

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INDICATES THAT THE DIFFICULTIES BEING ENCOUNTERED AT THE ANGRA-II SITE ARE INDEED MAJOR ONES. END COMMENT.  
SAYRE

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## Message Attributes

**Automatic Decaptioning:** X  
**Capture Date:** 01 jan 1994  
**Channel Indicators:** n/a  
**Current Classification:** UNCLASSIFIED  
**Concepts:** NUCLEAR REACTORS  
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**Copy:** SINGLE  
**Draft Date:** 06 sep 1978  
**Decaption Date:** 01 jan 1960  
**Decaption Note:**  
**Disposition Action:** RELEASED  
**Disposition Approved on Date:**  
**Disposition Case Number:** n/a  
**Disposition Comment:** 25 YEAR REVIEW  
**Disposition Date:** 20 Mar 2014  
**Disposition Event:**  
**Disposition History:** n/a  
**Disposition Reason:**  
**Disposition Remarks:**  
**Document Number:** 1978BRASIL06984  
**Document Source:** CORE  
**Document Unique ID:** 00  
**Drafter:** n/a  
**Enclosure:** n/a  
**Executive Order:** N/A  
**Errors:** N/A  
**Expiration:**  
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**Original Classification:** LIMITED OFFICIAL USE  
**Original Handling Restrictions:** n/a  
**Original Previous Classification:** n/a  
**Original Previous Handling Restrictions:** n/a  
**Page Count:** 2  
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**Previous Handling Restrictions:** n/a  
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**Review Event:**  
**Review Exemptions:** n/a  
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**Review Release Date:** n/a  
**Review Release Event:** n/a  
**Review Transfer Date:**  
**Review Withdrawn Fields:** n/a  
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**Status:** NATIVE  
**Subject:** NUCLEAR ISSUE -- POSSIBLE RELOCATION OF ANGRA-III REACTOR SITE  
**TAGS:** ENRG, MNUC, ECRE, BR  
**To:** STATE  
**Type:** TE  
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**Review Markings:**  
Sheryl P. Walter  
Declassified/Released  
US Department of State  
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20 Mar 2014  
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